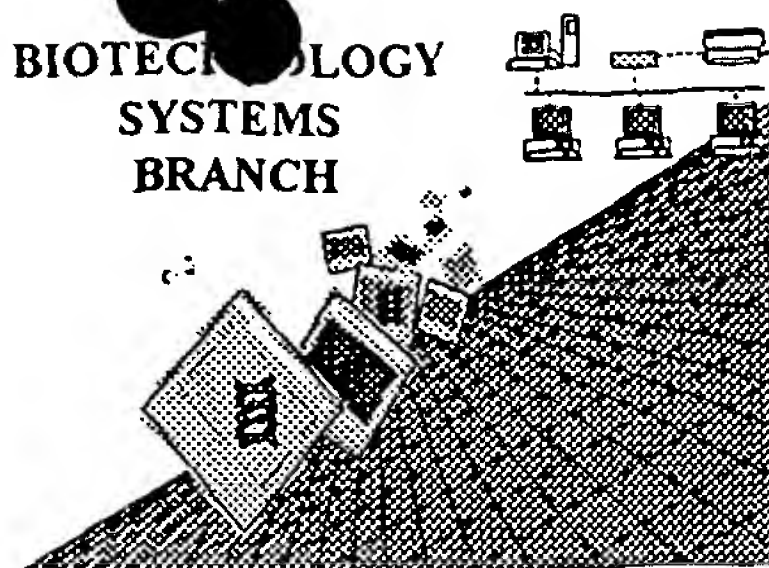# RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY SYSTEMS BRANCH

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/665,308_

Source: _1638_

Date Processed by STIC: _5/24/2001_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/665,308

DATE: 05/24/2001
TIME: 17:17:17

Input Set : A:\BB1149 US NA Seq List.txt
Output Set: C:\CRF3\05242001\I665308.raw

Does Not Comply
Corrected Diskette Needed

pp 1-2

```
       3 <110> APPLICANT: Cahoon, Rebecca E.
       4        Klein, Theodore M.
       5        Odell, Joan T.
       6        Orozco, Emil M. Jr.
       8 <120> TITLE OF INVENTION: PLANT CELL CYCLIN GENES
      10 <130> FILE REFERENCE: BB1149 US NA
C-->  12 <140> CURRENT APPLICATION NUMBER: US/09/665,308
C-->  12 <141> CURRENT FILING DATE: 2000-09-19
      12 <150> PRIOR APPLICATION NUMBER: 60/078,735
W-->  13 <151> PRIOR FILING DATE: (1998 March 20)  1998-03-20
      15 <150> PRIOR APPLICATION NUMBER: PCT/US99/06047
W-->  16 <151> PRIOR FILING DATE: (1999 March 19)  1999-03-19
      18 <160> NUMBER OF SEQ ID NOS: 32
      20 <170> SOFTWARE: MICROSOFT OFFICE 97
```

ERRORED SEQUENCES

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    1053 <210> SEQ ID NO: 21
    1054 <211> LENGTH: 789
    1055 <212> TYPE: DNA
    1056 <213> ORGANISM: Triticum aestivum
    1058 <400> SEQUENCE: 21
    1059 cacctgaggg cgactcgagg gtgccctcgc cccgtccgcc gtgaccaccc ctcttcggat   60
    1060 ctcaccgcct cgaccaaaat gtgatttgag gcaaattctg cgtttgaggc aaggacaata  120
    1061 aaagtgatgg agcttttggt cttcagcacc ttgaaatgga ggatgcaagc tgttactgct  180
    1062 tgctcgttta ttgactactt cctttgcaaa ttcaatgatc atgacacacc ctccatgctt  240
    1063 gcattctcct gctcaactga cctcatcctg agcacaacta agtgagctga ttttttggtg  300
    1064 ttcagacatt cagagattgc tggaagtgtt gcacttcctt catttgggga gcacaagact  360
    1065 tcagttgtcg aaatggctac aactaattgc aagtatataa acaagggagt gtgatgtgac  420
    1066 aggaaagatc ctgatgaagt gcttccttta tggaatgcct atctgaagtt tggactaaga  480
    1067 gacatgcttt aattggctta gtaaaaaata cttgctaaag agaaataaga ttcaaagtag  540
    1068 atgttttat tgtagattag gatatgtgtg ttctgccacc ggttcgactt ctcatattag  600
    1069 aaggcaagca gttagttcat atcttactac tttgcactat tgtagatgga tggtgaggga  660
    1070 ttgagaggct actactatta atgtgcgtaa actttgcatc tttagctctc taaatgaaac  720
    1071 cggtgatggt taacctgaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa  780
-->  1072 aaaaaaaaa
```

789 ← insert cumulative base total at right margin of each line

```
    1125 <210> SEQ ID NO: 23     1132 (p. 2)
    1126 <211> LENGTH: (603)
    1127 <212> TYPE: DNA
    1128 <213> ORGANISM: Zea mays
    1130 <220> FEATURE:
    1131 <221> NAME/KEY: unsure
    1132 <222> LOCATION: (441)
    1134 <220> FEATURE:
    1135 <221> NAME/KEY: unsure
    1136 <222> LOCATION: (447)
```

```
1138 <220> FEATURE:
1139 <221> NAME/KEY: unsure
1140 <222> LOCATION: (485)
1142 <220> FEATURE:
1143 <221> NAME/KEY: unsure
1144 <222> LOCATION: (498)
1146 <220> FEATURE:
1147 <221> NAME/KEY: unsure
1148 <222> LOCATION: (528)
1150 <220> FEATURE:
1151 <221> NAME/KEY: unsure
1152 <222> LOCATION: (553)
1154 <220> FEATURE:
1155 <221> NAME/KEY: unsure
1156 <222> LOCATION: (560)
1158 <220> FEATURE:
1159 <221> NAME/KEY: unsure
1160 <222> LOCATION: (576)..(577)
1162 <220> FEATURE:
1163 <221> NAME/KEY: unsure
1164 <222> LOCATION: (598)
1166 <400> SEQUENCE: 23
1167 aacagaattc ggcacgagcc gcggtcggct gggtttcacg cgccgcggcg cggctaggct    60
1168 tctccgcgct caccgccgcg ctcgccgccg cctacctcga ccgctgcttc ctccccgggg   120
1169 gcgcgctccg gctcggcgac cagccctgga tggcgcgcct agccgccgtc acctgcttcg   180
1170 cgctcgccgc caaggtcgag gagacgcgcg tgccgccgct cctcgacctc cagctctacg   240
1171 ccgccgctga cgccgcggat ccgtacgtat tcgaggccaa gacggtgcgc cggatggagc   300
1172 tgctcgtgct ctccgcgctt gggtggcgga tgcaccctgt cacgcccttc tcctacctcc   360
1173 agcccgtcct cgccgacgct gcgacgcgcc tgcgtagctg cgagggcgtc ctgctcgcgg   420
1174 tcatggccga ctggaggtgg cctcggcacc ggccttcggc gtgggccgcc gccgcgttgc   480
1175 tgatcacagc cgccgccggc gacggcggcg acggcgacgg cgacacggag ctcctggcgc   540
1176 tcatcaatgc ccccgaggac aagaccgccg agtgtgccaa gatcatctcc gaggtgacgg   600
1177 gcatgagctt cctcgcctgc gatgtcggcg tgagcgccgg aaataagcgt aagcacgcgg   660
1178 cggcgcagtt gtactcgccg ccgccgagcc cgagcggcgt gatcggcgcg ctgtcctgct   720
1179 tcagctgcga gagctcgacg tccgccaccg ctatggctgc ggcggtcggc ccgtgggcgc   780
1180 cgtcggcgtc cgtgtccgtg tcgtcctctc cagagccacc aggtcgggcc cccaagcgcg   840
1181 cagcggcggc gtcggcgtcg gcgtcggcgt cagccggggt cgcgccaccg gtccaggtcc   900
1182 cgcatcagct accccccgac gaggagagcc gcgacgcctg ccgtccacc tgcgccgcgt   960
1183 gacgcaccgt gccggaaacg gtgcctatgg cgagaccgcc gttcggtggc ggtggagaat  1020
1184 ggagaacaag gagcatcatt ggctcgcgtc ggtgagcagg agaacgaact attttgccca  1080
--> 1185 ttgccgtgac agatggggggg tgttcactgc gtggagccgc gctgancaat ga         1132
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/665,308

DATE: 05/24/2001
TIME: 17:17:18

Input Set : **A:\BB1149 US NA Seq List.txt**
Output Set: **C:\CRF3\05242001\I665308.raw**

```
L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:13 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:16 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:156 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:157 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:159 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:161 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:162 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:163 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:195 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:204 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:207 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:213 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:291 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:293 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:294 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:295 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:344 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:387 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:388 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:442 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:466 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:761 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:762 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
L:762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:786 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:16
L:786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
```

VERIFICATION SUMMARY   DATE: 05/24/2001
PATENT APPLICATION: **US/09/665,308**   TIME: 17:17:18

Input Set : **A:\BB1149 US NA Seq List.txt**
Output Set: **C:\CRF3\05242001\I665308.raw**

```
L:807 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:17
L:807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:809 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:17
L:809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:1005 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1006 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1008 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1009 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1010 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1011 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1035 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20
L:1035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:1038 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20
L:1038 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:1050 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20
L:1050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:1072 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:789 SEQ:21
L:1095 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:1095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1107 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:1107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1116 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:1116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1185 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23
L:1185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:1185 M:252 E: No. of Seq. differs, <211>LENGTH:Input:603 Found:1132 SEQ:23
L:1283 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25
L:1283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1284 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25
L:1284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1285 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25
L:1285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1330 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:26
L:1330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1333 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:26
L:1333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1336 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:26
L:1336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1384 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1384 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1384 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1384 M:283 W: Missing Blank Line separator, <400> field identifier
```